

4.11.5 Administration and Moderation Facility for the Earth Science Online Directory

The Earth Science Online Directory (ESOD) is a World Wide Web (WWW) based directory that holds descriptions of earth science providers, earth science data, and earth science related services. ECS advertises all of its data and services in this directory. In addition, external providers can advertise themselves, their data, or their services.

Much of the day-to-day support of ESOD comes from reviewing requests from Web users to add new contributions to the directory. Additionally, the ESOD allows Web users to request modifications to entries already in the directory, or deletion of existing entries. The review process involves ensuring the entries adhere to current content standards. To enable more flexible management, ESOD has a “moderation group”. When a contributor requests a new entry, he/she specifies which of the available groups it should go into. The group then determines who is notified of the entry and who is allowed to approve it.

Someone acting as an authorized ESOD Administrator, can list, create, update, and delete moderation groups.

ESOD Moderators can moderate their group’s queue of requests such as a new entry, modification of an existing entry, or deletion of an entry.

The ESOD GUIs are used to perform the following operator functions listed in Table 4.11.5-1.

Table 4.11.5-1. Common ECS Operator Functions Performed with the ESOD

Operating Function	Command/Script or GUI	Description	When and Why to Use
Administration	ESOD Administration and Moderation Main Screen	Operator “navigates” to this URL to select Administration	The operator is acting as an authorized ESOD Administrator to list, create, update, and delete moderation groups
Moderation	ESOD Administration and Moderation Main Screen	Operator “navigates” to this URL to select Moderation	The operator is acting as an authorized ESOD Moderator to moderate their group’s queue of requests.
Select Group	ESOD Moderation Main Screen	Moderator clicks on “radio” button for selected group and enters their DCE account name and password	Moderator reviews the requests in the queue for either display, accept all, accept selected, or reject/delete.

4.11.5.1 Quick Start Using ESOD

This section presents an orientation of the Custom ESOD GUI.

4.11.5.1.1 Invoke Earth Science Online Directory

To invoke ESOD, click on the Advertising Service icon from the ECS Desktop. or select the “Online Directory” button from the EOSDIS Home Page.



Figure 4.11.5-1. ESOD Icon (on ECS Desktop)

4.11.5.2 ESOD Administration and Moderation Page (Main Screen)

The ESOD Administration and Moderation Page (Figure 4.11.5-2) is the main screen an operator “navigates” to using a Web browser. The operator must use a (Secured Socket Layer (SSL) enabled Web browser and a Distributed Computing Environment (DCE) user account with the appropriate resource keys in order to perform administrator or moderator duties.

The ESOD Administration and Moderation Page consists of four “links”:

- **Moderation** is described in the following 4.11.5.2.2 section
- **Administration** is described in the following 4.11.5.2.1 section
- **Help**, which provides on-line help for the online directory
- **Feedback** which allows the user to send feedback via e-mail

In addition, these links are also available through buttons on the bottom of all the pages.

Additional Buttons are available on the left frame of the HTML page::

- **Home** is a link to the EOSDIS home page
- **Online Directory** is a link to the EOSDIS online directory page
- **Data Retrieval** is a link to the EOSDIS data retrieval page
- **Documents** is a link to the EOSDIS documents page
- **Glossary** is a link to the EOSDIS glossary page
- **Info Exchange** is a link to the EOSDIS info exchange page
- **Comments** is a link to the EOSDIS comments page

- **Help** is a link to the EOSDIS Help page
- **Site Index** is link to the EOSDIS site map template

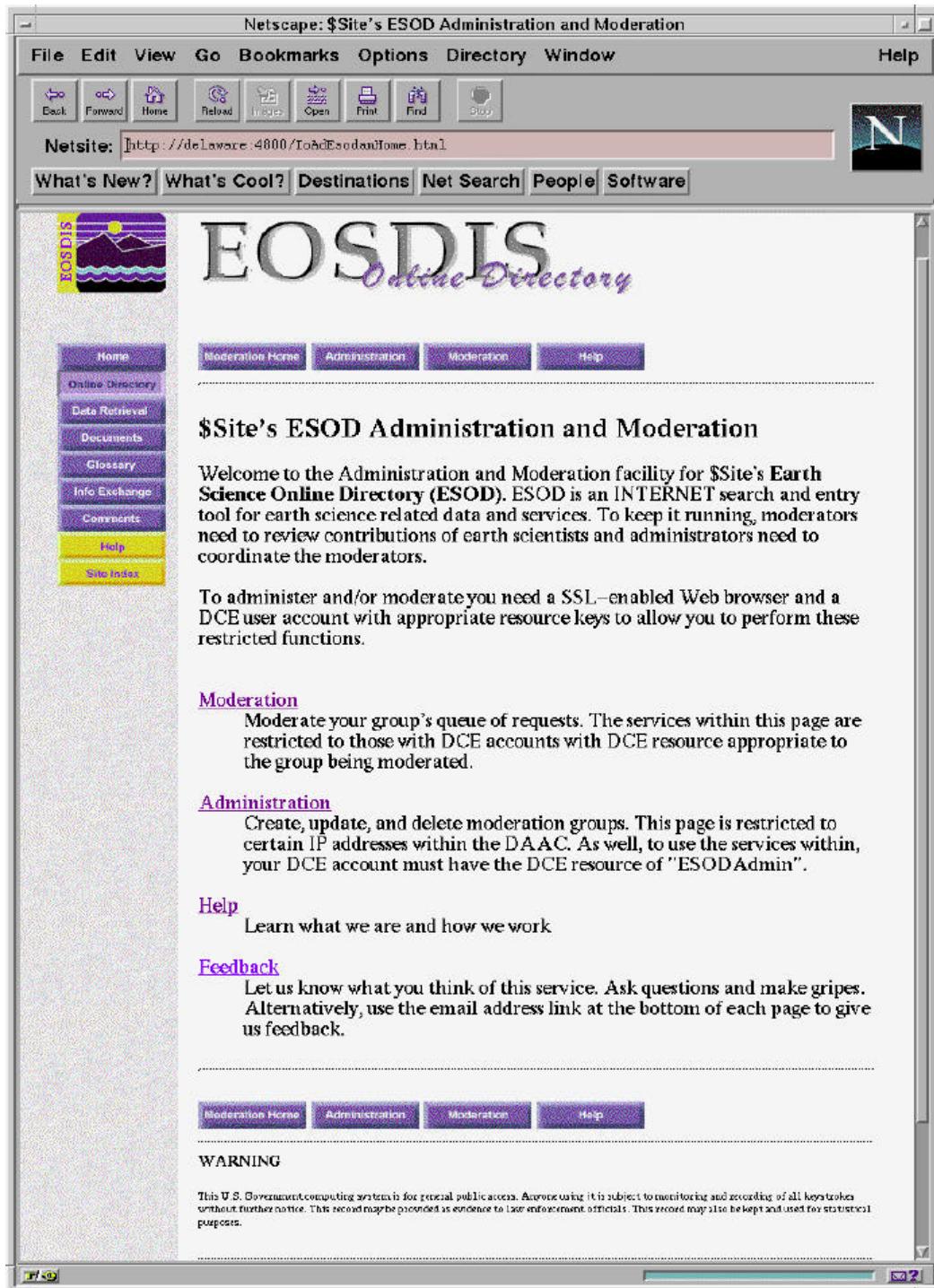


Figure 4.11.5-2. ESOD Administration and Moderation Page (Main Screen)

4.11.5.2.1 ESOD Administration Page

Clicking the “Administration” link on the main screen will bring up the ESOD Administration page as shown in Figure 4.11.5-3. This page allows the operator, acting as an ESOD Administrator, to list, create, update, and delete Moderator groups.

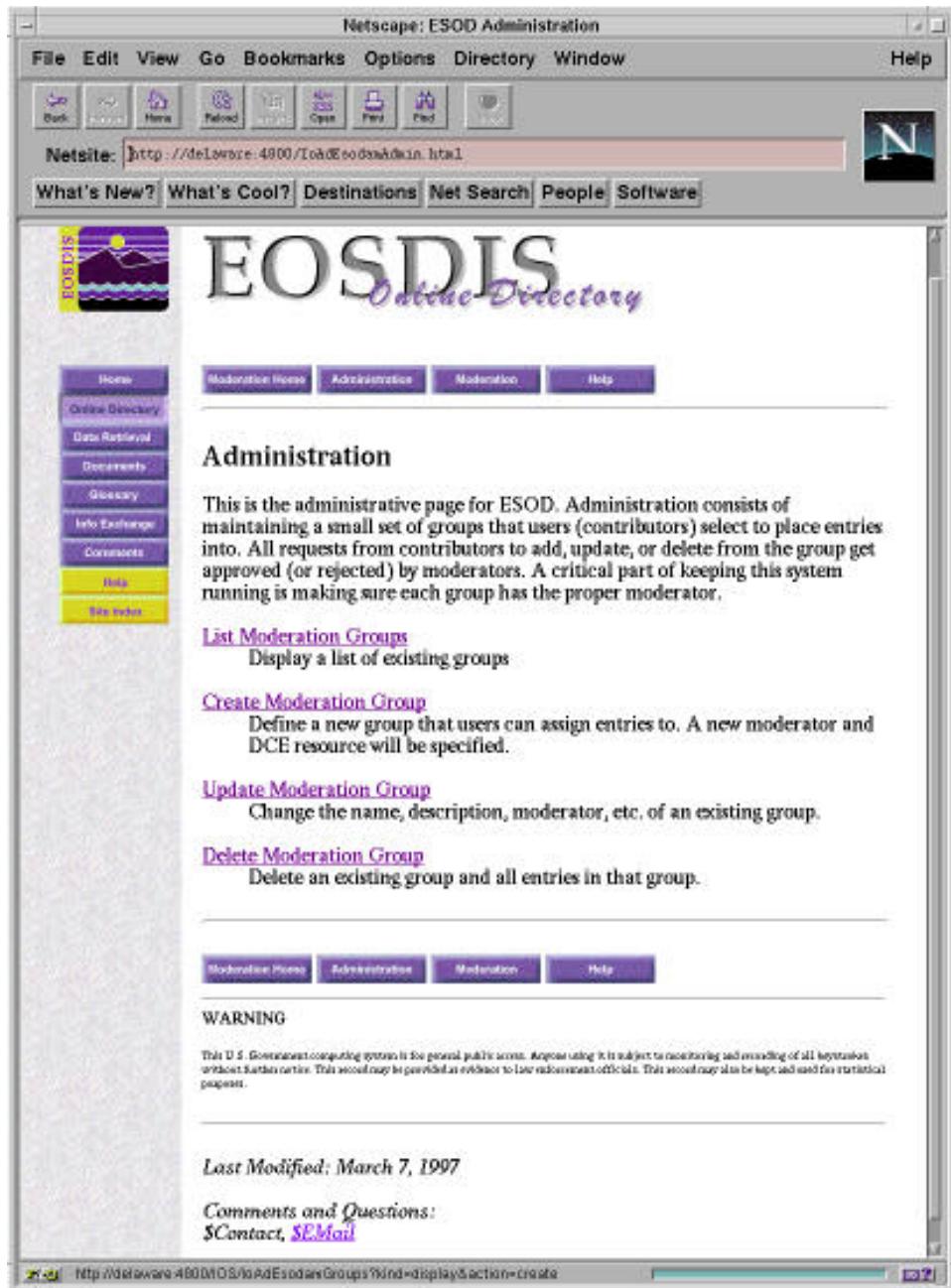


Figure 4.11.5-3. ESOD Administration Page

4.11.5.2.1.1 Moderation Groups Page

To see a list of moderation groups, the operator clicks the “List Moderation Groups” link on the ESOD Administration page. The “Moderation Groups” page will come up as shown in Figure 4.11.5-4. Clicking on any moderation group in the list will bring up a description page showing a brief description about the group, the moderator’s name, the moderator’s e-mail address, and the DCE Resource Required.

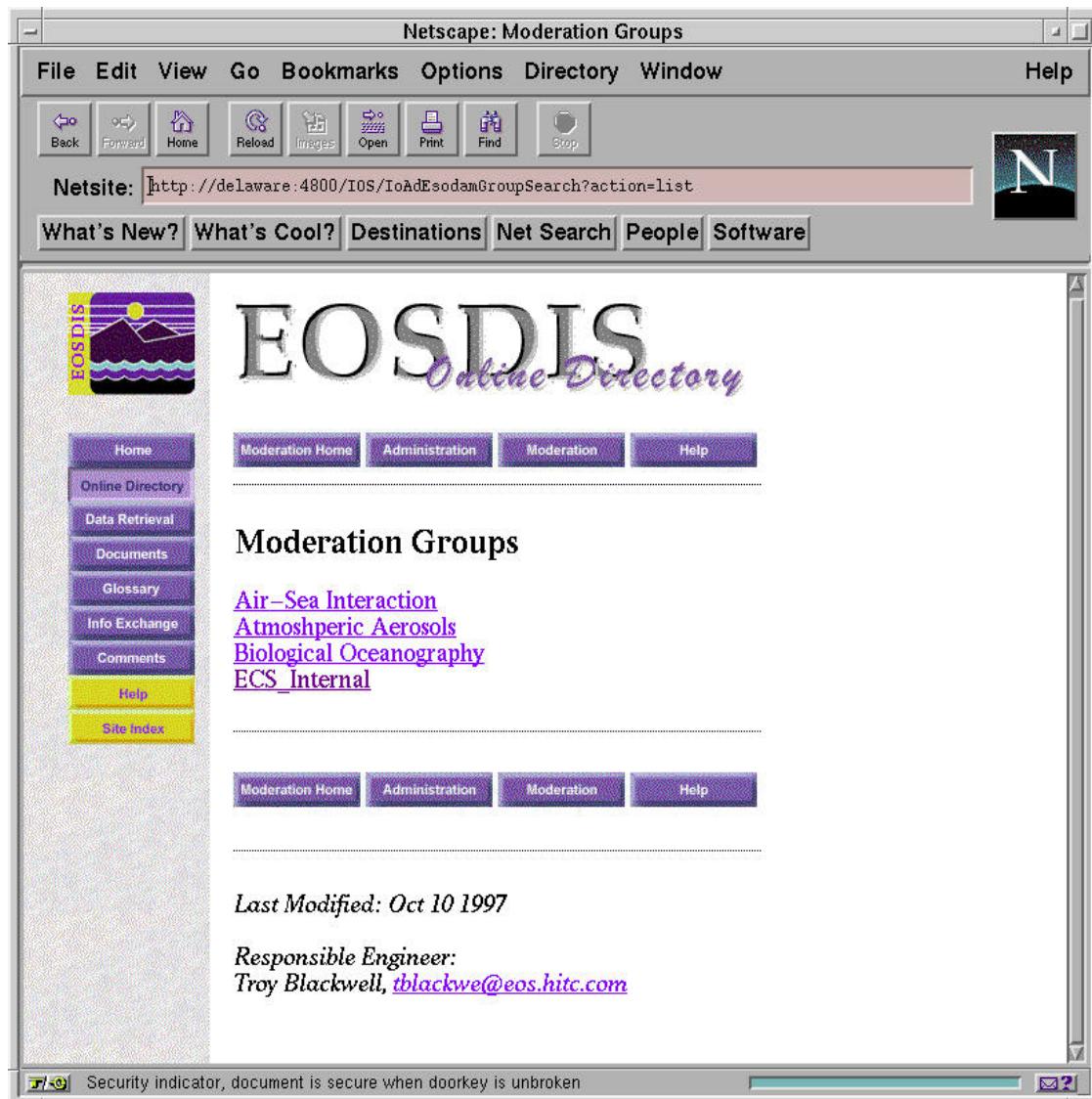


Figure 4.11.5-4. ESOD Moderation Groups Page

4.11.5.2.1.2 Create Moderation Group Page

Clicking the “Create Moderation Group” link on the ESOD Administration page will bring up the “Create Moderation Group” page as shown in Figure 4.11.5-5. The operator enters a

descriptive name for the moderation group, a brief description of the group, the moderator's name, moderator's Email address, and the DCE Resource Required. To submit the information, the operators must enter their ECS Username and password. Table 4.11.5-2 provides a description of the "Create Moderation Group" fields.

Netscape: Create Moderation Group

EOSDIS Online Directory

Create Moderation Group

Name The Name is a descriptive name no longer than 8 characters.
(e.g., "Data Group")

Description The EOSDIS Online Directory will be used to describe the moderation group.
(e.g., "Physical Observing in the study area")

Moderator

Name The Moderator must be a valid name.
(e.g., "John Jones")

Email Address The Email Address must be a correct address.
(e.g., "John@Goddard.NASA.GOV")

DCE Resource The DCE Resource must be a valid resource ID.
(e.g., "Data Group")

Administrator Verification

ECS Username

ECS Password

Submit **Cancel**

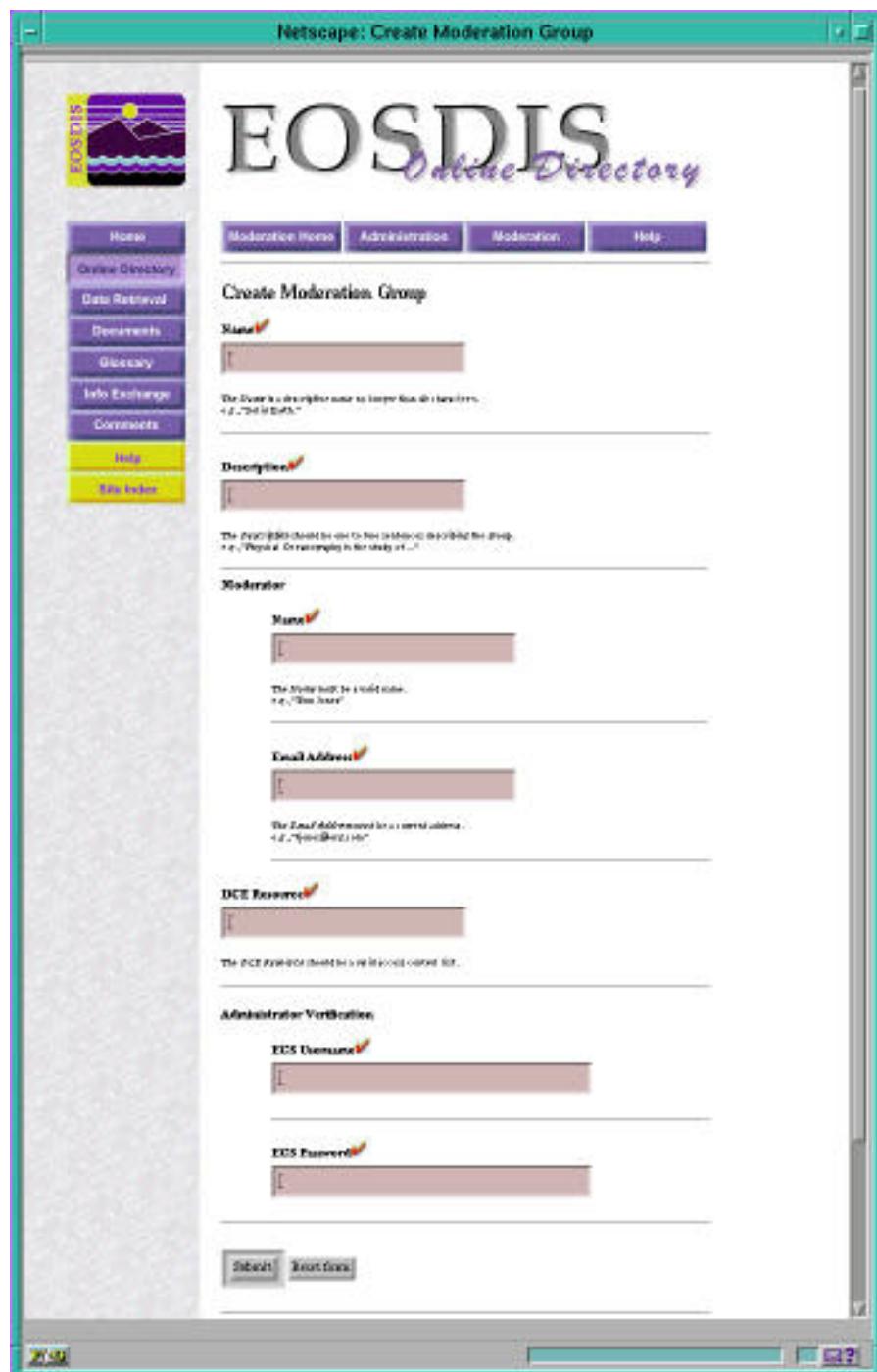


Figure 4.11.5-5. Create Moderation Group Page

Table 4.11.5-2. Create Moderation Group Field Descriptions

Field Name	Data Type	Size	Entry	Description
Name	char	50	required	a descriptive name for the Moderation Group
Description	varchar	255	required	one to two sentences describing the group
Moderator Name	char	50	required	the current moderator's name
Moderator Email Address	char	40	required	the current moderator's Email address
DCE Resource Required	char	50	required	user's valid access control list to create/update/delete
ECS Username	char	unlim.	required	the administrator's DCE account name
ECS Password	char	unlim.	required	the administrator's DCE account password

4.11.5.2.1.3 Select group to update

Clicking the “Update Moderation Group” link on the ESOD Administration page will bring up the “Select group to update” page as shown in Figure 4.11.5-6. The operator selects a group by clicking on the “radio” button next to the desired group and then clicks on the “Display Form” button.

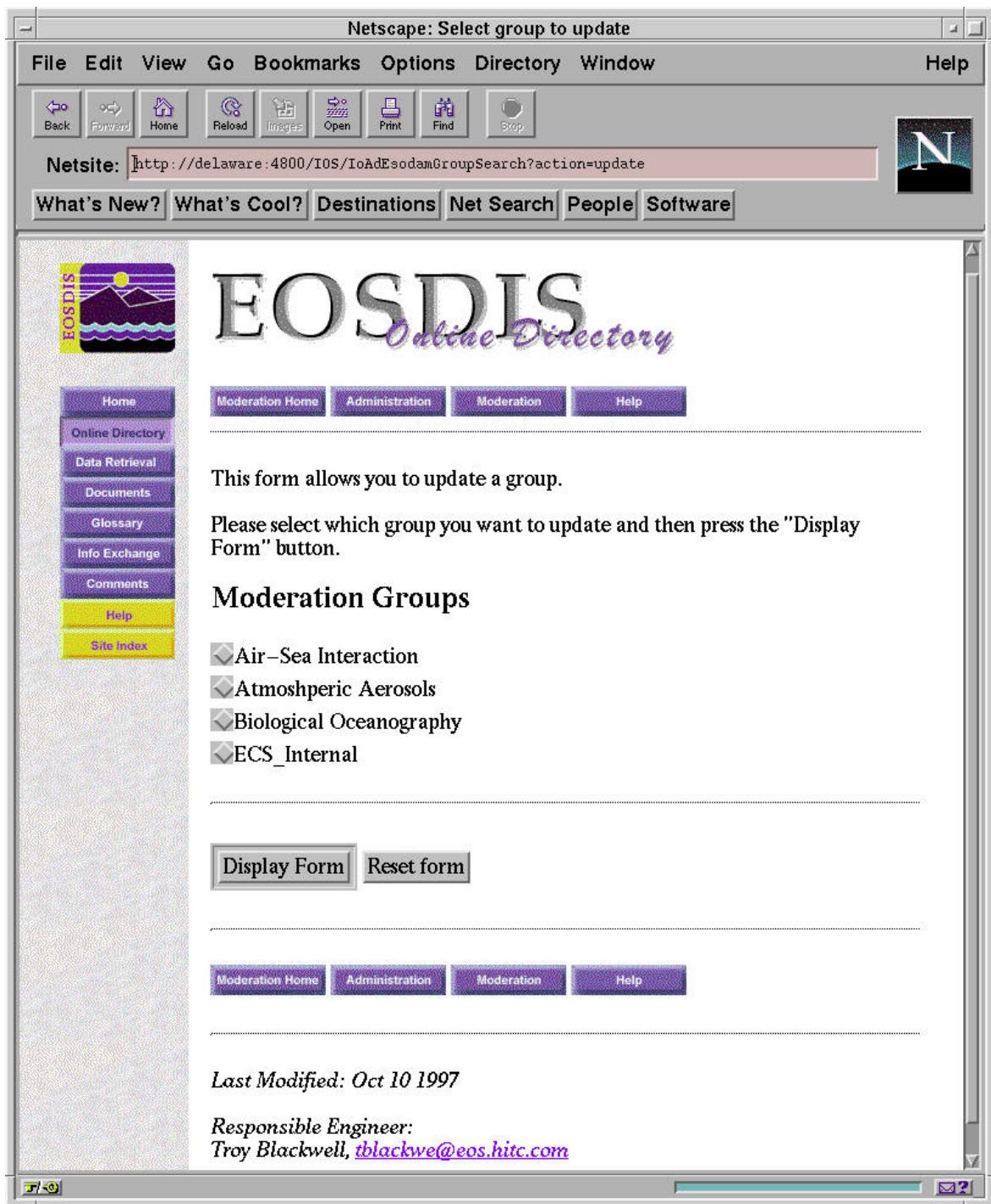


Figure 4.11.5-6. Select group to update Screen

4.11.5.2.1.3.1 Update Moderation Group Page

After clicking on the “Display Form” button, the Update Moderation Group page appears as shown in Figure 4.11.5-7. The operator can update the Name, Description, Moderator Name, and Moderator Email fields. The operators must also enter their administrator DCE account name and password. Table 4.11.5-3 provides a description of the “Update Moderation Group“ fields.

The screenshot shows a Netscape browser window titled "Netscape: Update Moderation Group 'ECS_Internal'". The menu bar includes File, Edit, View, Go, Bookmarks, Options, Directory, Window, and Help. A toolbar at the top has buttons for Moderation Home, Administration, Moderation, and Help. On the left is a vertical navigation bar with links: Home, Online Directory, Data Retrieval, Documents, Glossary, Info Exchange, Comments, Help, and Site Index. The main content area is titled "Update Moderation Group: 'ECS_Internal'".

Name: The Name is a descriptive name no longer than 40 characters.
e.g., "SelfEarth".

Description: The Description should be one or two sentences describing the group.
e.g., "Physical Geography is the study of..."

Moderator:
Name: The Name must be a valid name.
e.g., "Tom Jones".

Email Address: The Email address must be a correct address.
e.g., "jones@osu.edu".

DCE Resource: The DCE Resource should be a valid account name.

Administrator Verification:

ECS Username:

ECS Password:

Buttons:

Figure 4.11.5-7. Update Moderation Group Page

Table 4.11.5-3. Update Moderation Group Field Descriptions

Field Name	Data Type	Size	Entry	Description
Name	char	30	required	a descriptive name for the Moderation Group
Description	varchar	255	required	one to two sentences describing the group
Moderator Name	char	50	required	the current moderator's name
Moderator Email Address	char	50	required	the current moderator's Email address
DCE Resource Required	char	50	required	user's valid access control list to create/update/delete
ECS Username	char	unlim.	required	the administrator's DCE account name
ECS Password	char	unlim.	required	the administrator's DCE account password

4.11.5.2.1.4 Select group to delete Page

Clicking the “Delete Moderation Group” link on the ESOD Administration page will bring up the “Select group to delete” page as shown in Figure 4.11.5-8. The operator selects a group by clicking on the “radio” button next to the desired group and then clicks on the “Display Form” button. The form can be reset selecting the “Reset form” button.

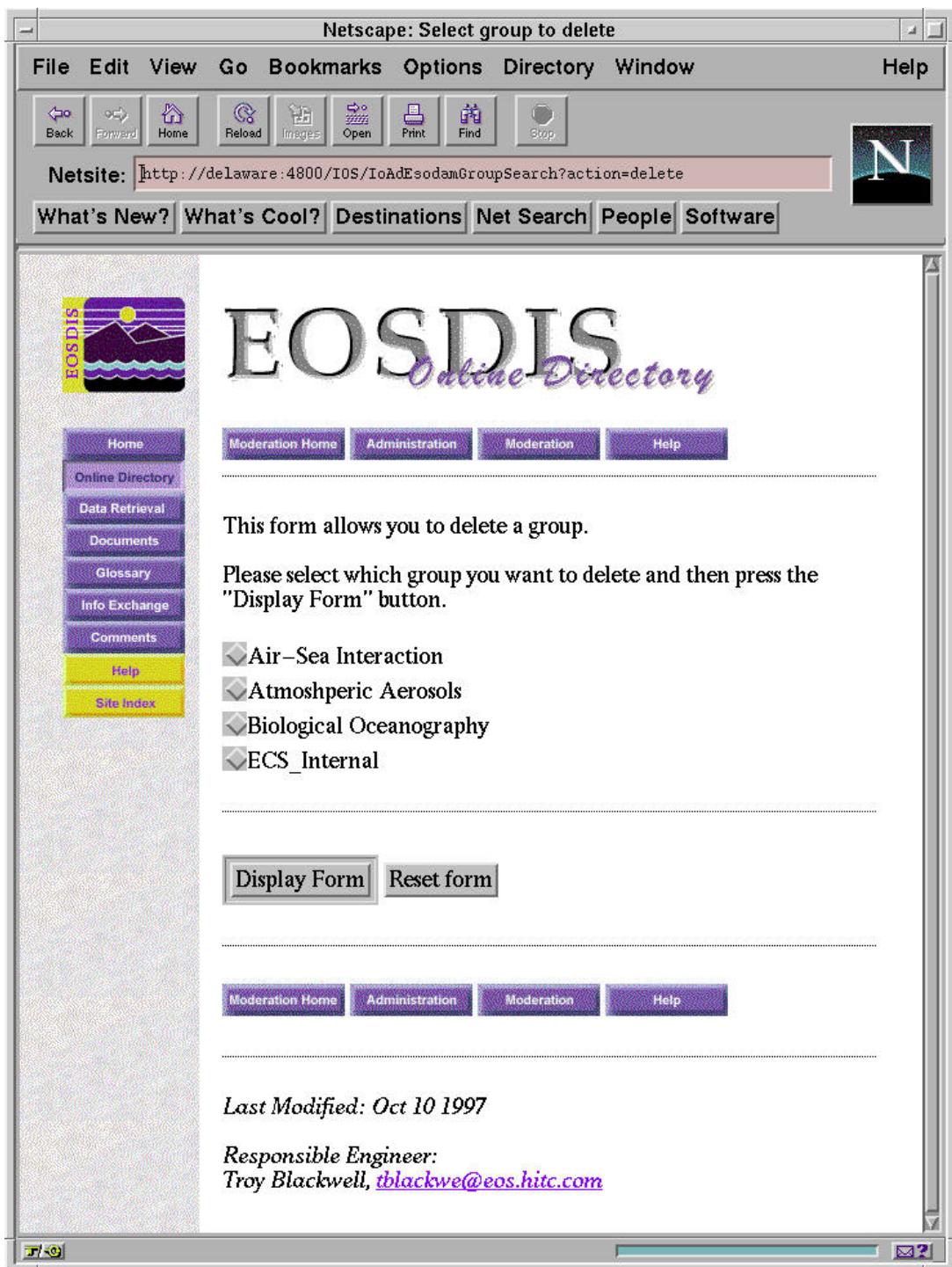


Figure 4.11.5-8. Select group to delete Page

4.11.5.2.1.4.1 Delete Moderation Group Page

After clicking on the “Display Form” button, the Delete Moderation Group page appears in the web browser as shown in Figure 4.11.5-9. The operator must enter their administrator DCE account name and password. Table 4.11.5-4 provides a description of the “Delete Moderation Group” fields.

The screenshot shows a Netscape browser window titled "Netscape: Delete Moderation Group 'ECS_Internal'". The menu bar includes File, Edit, View, Go, Bookmarks, Options, Directory, Window, and Help. The main content area features the EOSDIS logo and the text "EOSDIS Online Directory". A navigation bar at the top has tabs for Moderation Home, Administration, Moderation, and Help. Below this, a warning message states: "WARNING: Deletion of this group will result in deletion of 43 directory entry(ies); 2 request(s)." The section title "Delete Moderation Group 'ECS_Internal'" is followed by a horizontal line. The "ECS_Internal" group details are listed:

- Name: Troy Blackwell
- Email Address: tblackwe@eos.hitz.com
- DCE Resource: asModeration

A "Administrator Verification" section follows, containing two input fields: "ECS Username" and "ECS Password", each with a checkmark icon. Below these are "Submit" and "Reset form" buttons. At the bottom of the page, there is footer text: "Last Modified: Mar 23 1998", "Responsible Engineer: Troy Vu, tvu@eos.hitz.com", and a copyright notice "Copyright © 1998, EOSDIS".

Figure 4.11.5-9. Delete Moderation Group Page

Table 4.11.5-4. Delete Moderation Group Field Description

Field Name	Data Type	Size	Entry	Description
ECS Username	char	unlim	required	the administrator's DCE account name
ECS Password	char	unlim	required	the administrator's DCE account password

4.11.5.2.2 ESOD Moderation

Clicking the “Moderation” link on the main screen will bring up the ESOD Moderation page as shown in Figure 4.11.5-10. This page allows the operator to select a to moderate. The operator must enter their DCE account name and password to continue any further. Table 4.11.5-6 provides a description of the “Moderation” fields.

If the DCE account name and password are valid the next page, shown in Figure 4.11.5-11.6, appears in the browser. This page allows the operators, acting as ESOD Moderators, to moderate their group’s queue of requests. The requests could be to display (which allows updates), accept all, accept selected, or reject/delete entries.

As an example, after clicking on the “Display” button, the Moderate Signature Service page appears in the web browser as shown in Figure 4.11.5-12. Table 4.11.5-7 describes the data fields on that page. The request in the example is for an update of the Signature Service.

Figures 4.11.5.13 through 4.11.5.17 show the moderation pages that appear in the web browser for various types of advertisements. Immediately following each moderation page is a table which describes data fields for that particular page. Note that some of the figures cannot show all of the fields discussed in the related tables because of the size of the included html form.

Table 4.11.5-5. General overview of Moderation Field Descriptions

	Create	Update	Delete
Moderate Data	Figure 4.11.5-13	Figure 4.11.5-13	Figure 4.11.5-13
Moderate Provider	Figure 4.11.5-15	Figure 4.11.5-15	Figure 4.11.5-15
Moderate Non Web Service	Figure 4.11.5-14	Figure 4.11.5-14	Figure 4.11.5-14
Moderate Installable Service	Figure 4.11.5-17	Figure 4.11.5-17	Figure 4.11.5-17
Moderate Signature Service	N/A	Figure 4.11.5-12	Figure 4.11.5-12
Moderate Web Service	Figure 4.11.5-16	Figure 4.11.5-16	Figure 4.11.5-16

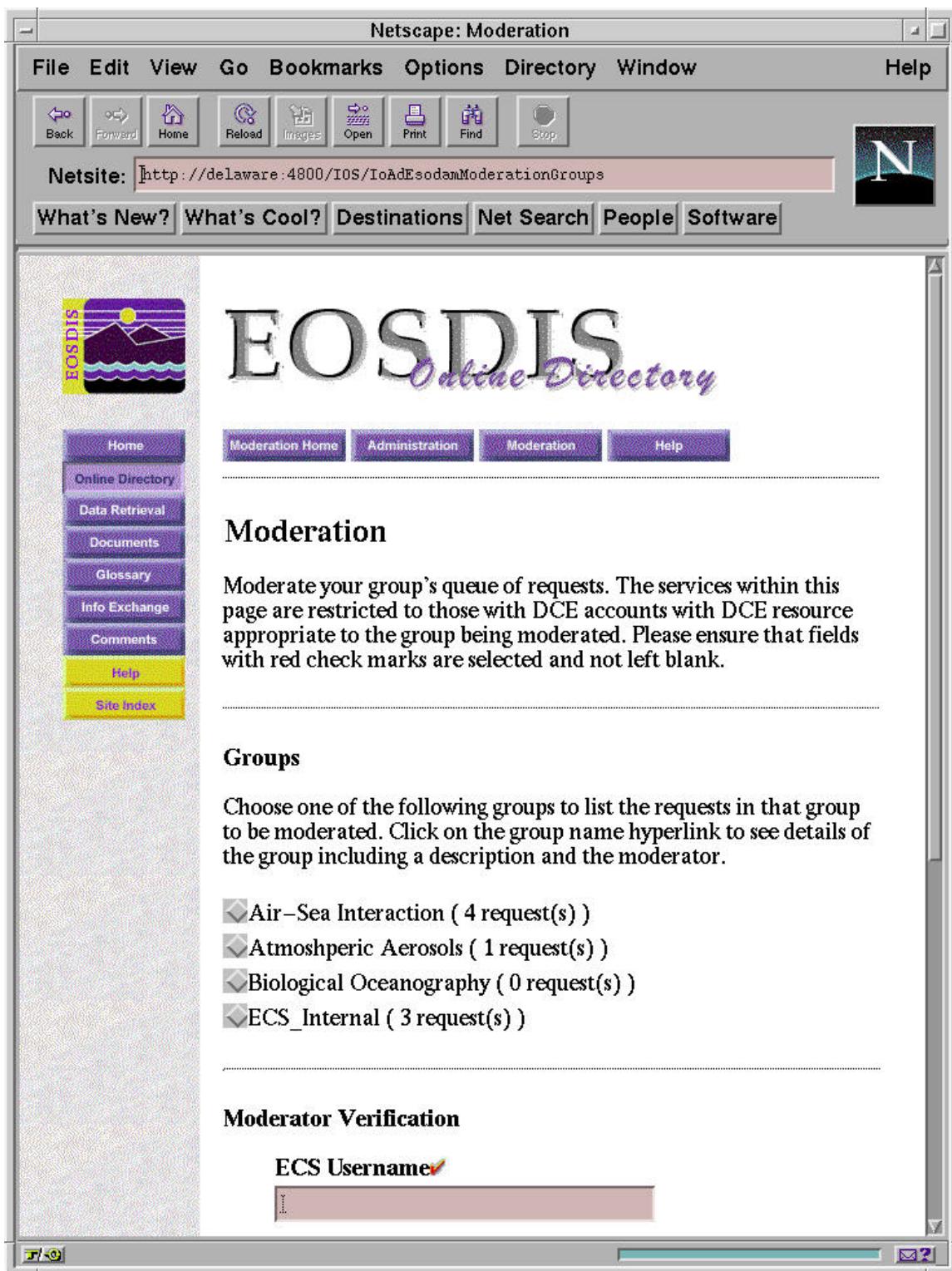


Figure 4.11.5-10. ESOD Moderation Page

Table 4.11.5-6. Moderation Field Descriptions

Field Name	Data Type	Size	Entry	Description
Groups	char	50	required	moderator selects group to list the requests in that group to be moderated
ECS Username	char	unlim	required	the moderator's DCE account name
ECS Password	char	unlim	required	the moderator's DCE account password

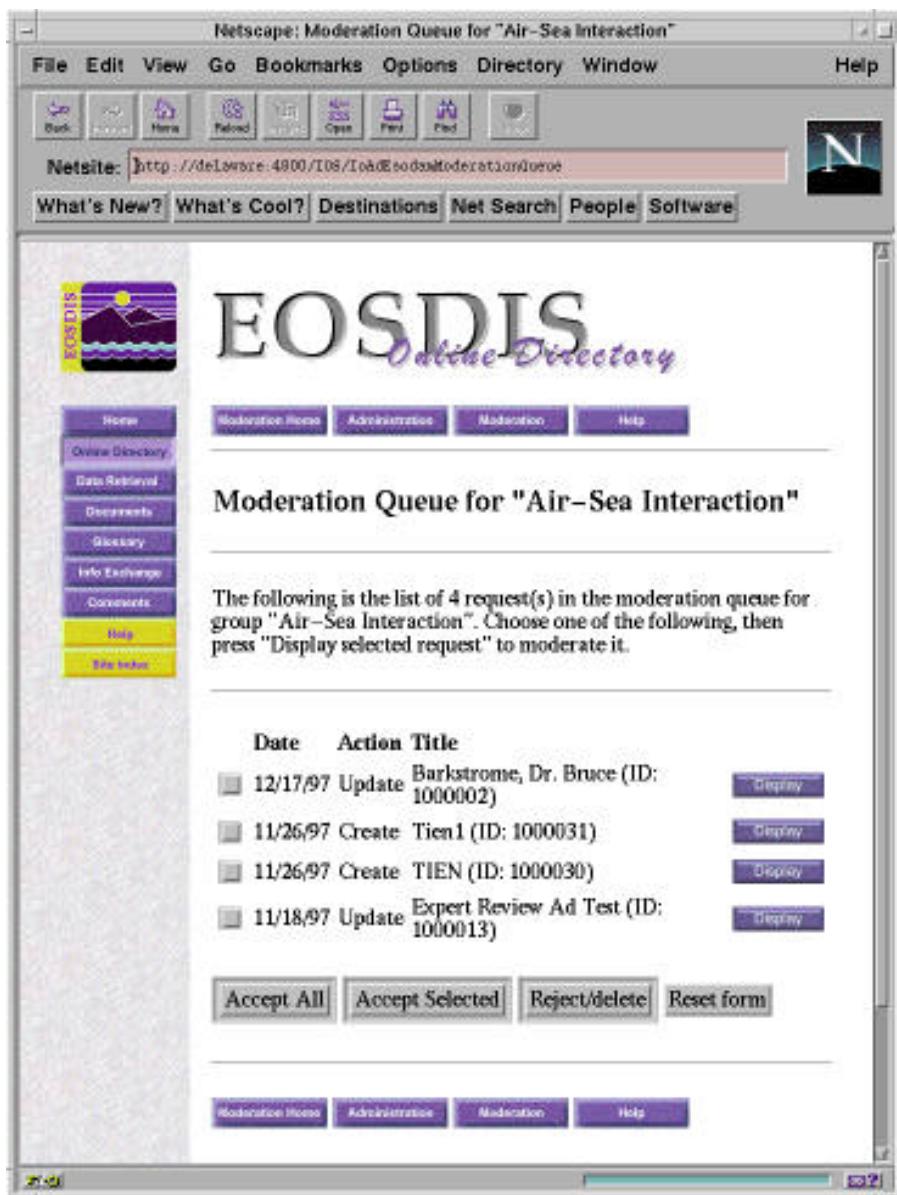


Figure 4.11.5-11. Moderation Queue Page

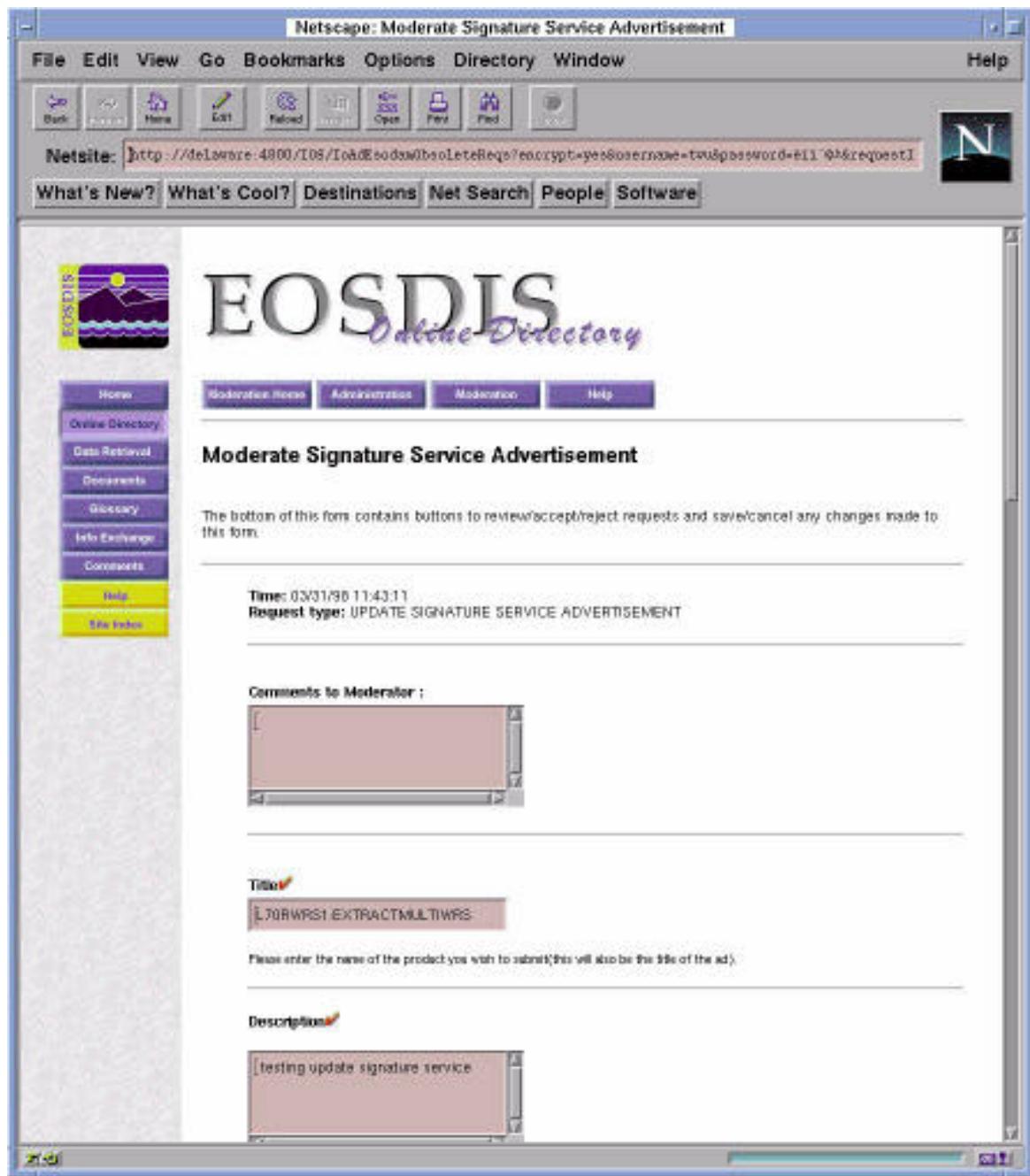


Figure 4.11.5-12. Moderate Signature Service Page

Table 4.11.5-7. Moderate Signature Service Field Descriptions

Field Name	Data Type	Size	Entry	Description
Comments to moderator	varchar	255	optional	any pertinent information the moderator
Title	varchar	100	required	Name of the entry
Description	varchar	unlim	required	Description of the entry
Moderation Group	char	50	required	user selects a group by pressing on a “radio” button
Valid for another	char	N/A	required	user makes a selection from provided pull-down menu
Provider	AdvIdType	numeric integer	system generated	unique number for the provider
Related Product(s)	AdvIdType	numeric integer	system generated	unique number for related product(s), if any
Service Name	varchar	100	optional	name of related service
Service Class	varchar	100	optional	name of related service class
Requester's Email Address	char	60	required	user's email address
Requester's Phone Number	char	30	optional	user's phone number
Comments to contributor	varchar	255	optional	any pertinent information for the contributor

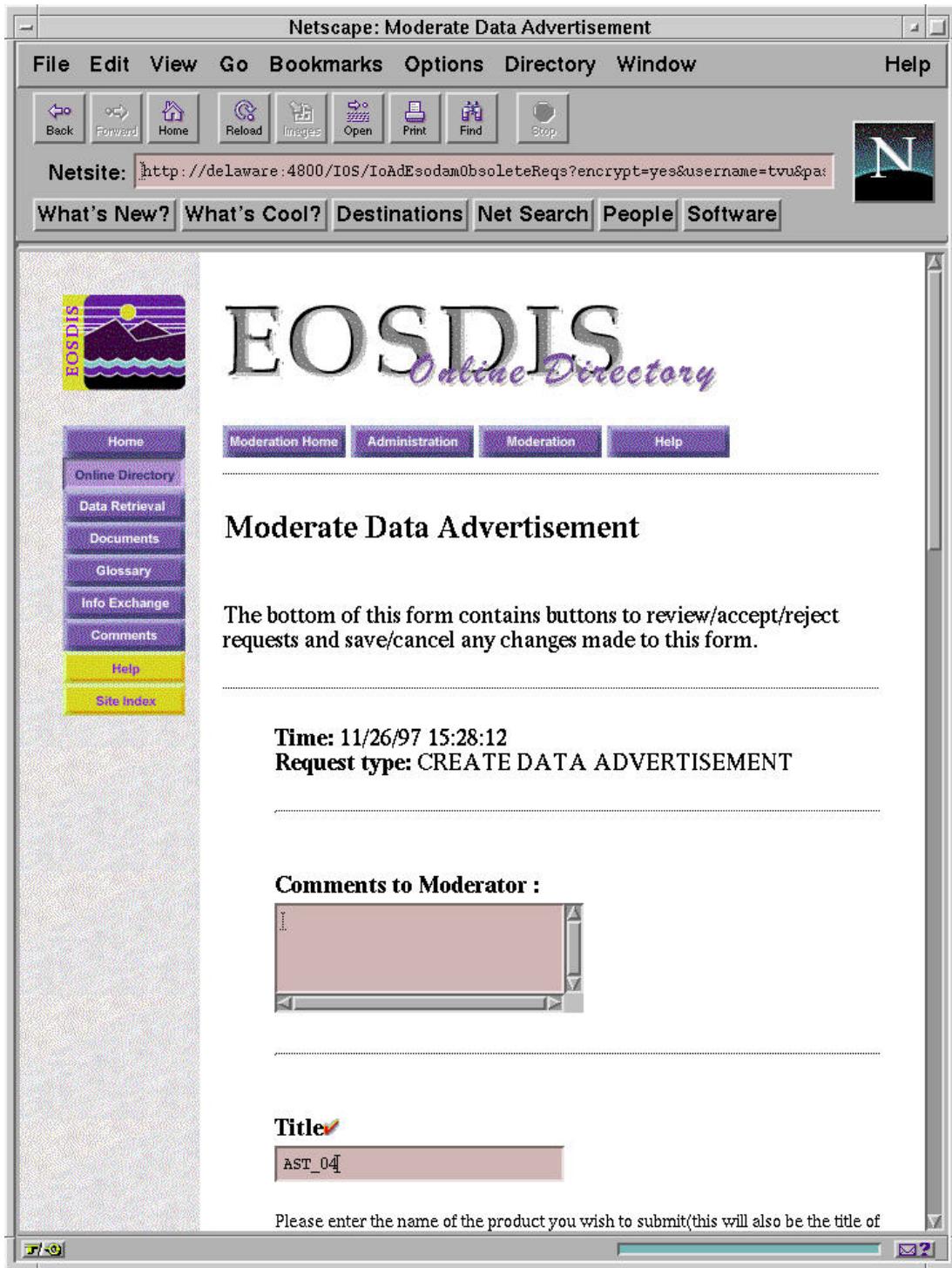


Figure 4.11.5-13. Moderate Data Page

Table 4.11.5-8. Moderate Data create/update Field Descriptions

Field Name	Data Type	Size	Entry	Description
Comments to moderator	varchar	255	optional	any pertinent information for the moderator
Title	varchar	100	required	Name of the entry
Description	varchar	unlim	required	Description of the entry
Provider	AdvIdType	numeric integer	system generated	unique number for the entry
Related Service(s)	AdvIdType	numeric integer	system generated(optional)	unique number for related service(s), if any
Requester's Email Address	char	60	required	user's email address
Requester's Phone Number	char	30	optional	user's phone number
Comments to contributor	varchar	255	optional	any pertinent information for the contributor

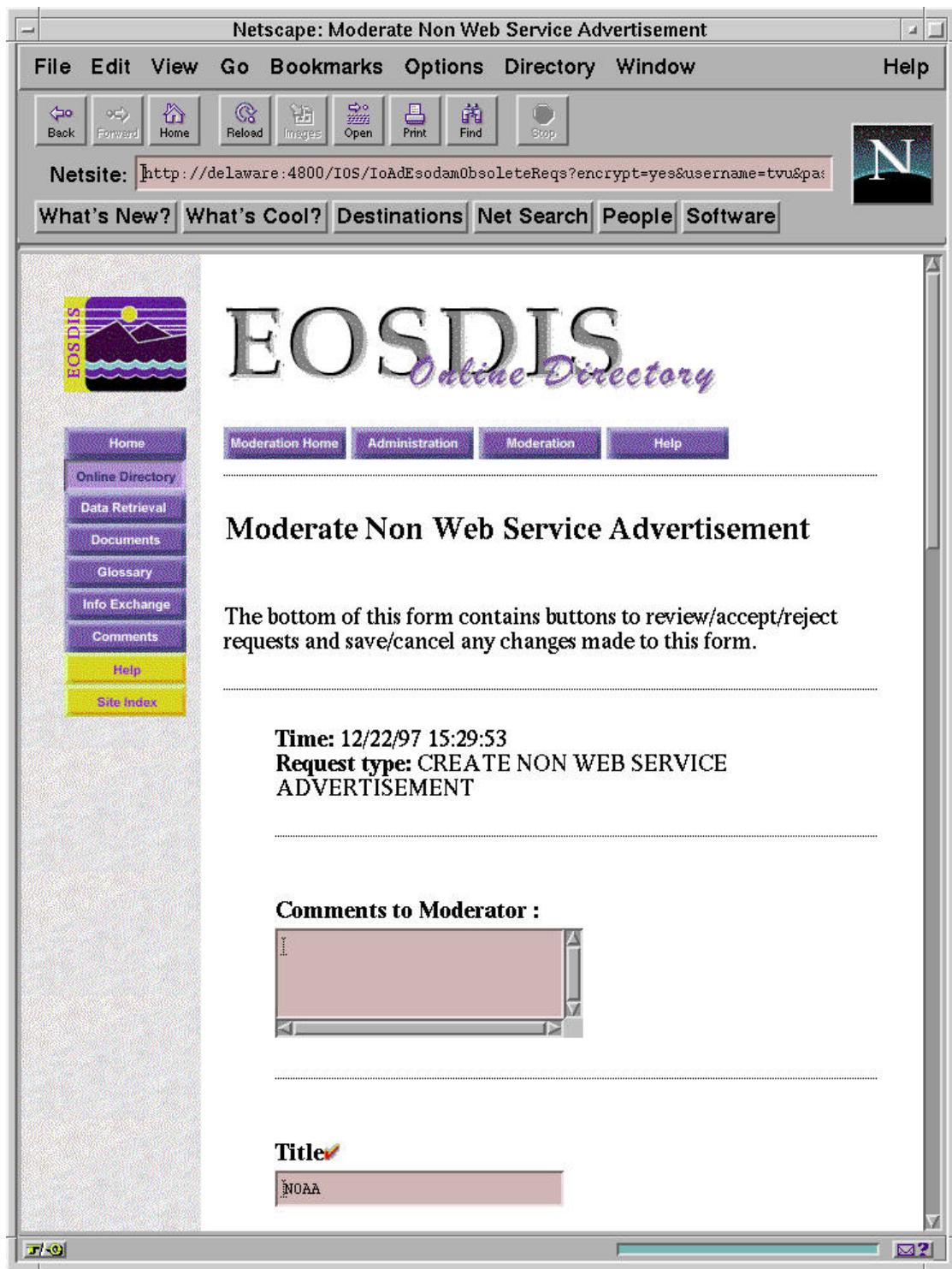


Figure 4.11.5-14. Moderate Non Web Service Page

Table 4.11.5-9. Moderate Non Web Service create/update Field Descriptions

Field Name	Data Type	Size	Entry	Description
Comments to moderator	varchar	255	optional	any pertinent information for the moderator
Title	varchar	100	required	name of the entry
Description	varchar	unlim	required	description of the entry
Provider	AdvIdType	numeric integer	required	unique number of the provider
Related Product(s)	AdvIdType	numeric integer	system generated	unique number(s) of related product(s)
Requester's Email Address	char	60	required	user's email address
Requester's Phone Number	char	30	optional	user's phone number
Comments to contributor	varchar	255	optional	any pertinent information for the contributor

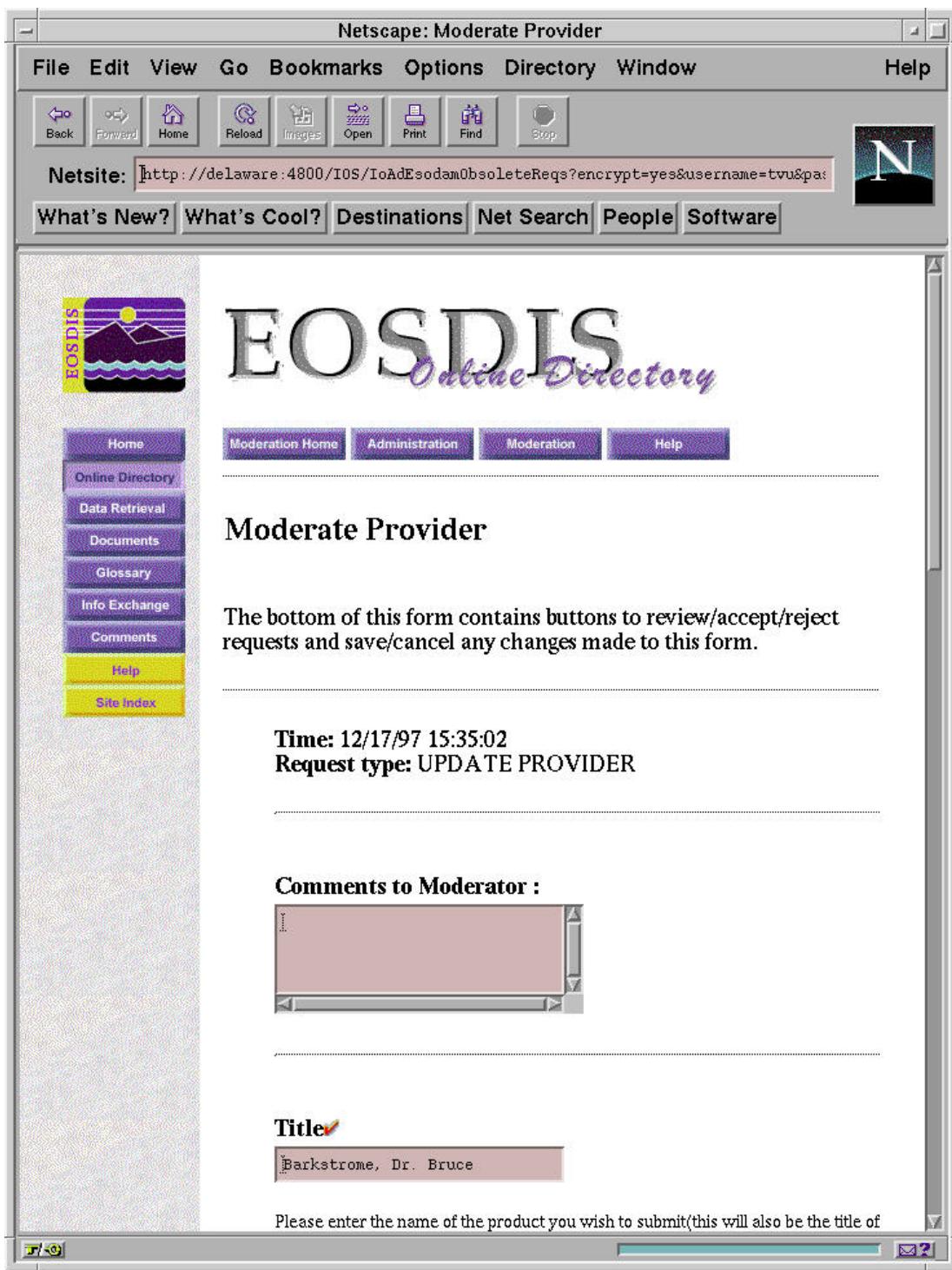


Figure 4.11.5-15. Moderate Provider Page

Table 4.11.5-10. Moderate Provider create/update Field Descriptions

Field Name	Data Type	Size	Entry	Description
Comments to moderator	varchar	255	optional	any pertinent information for the moderator
Title	varchar	100	required	name of the entry
Description	varchar	unlim	required	description of the entry
Requester's Email Address	char	60	required	user's email address
Requester's Phone Number	char	30	optional	user's phone number
Comments to contributor	varchar	255	optional	any pertinent information for the contributor

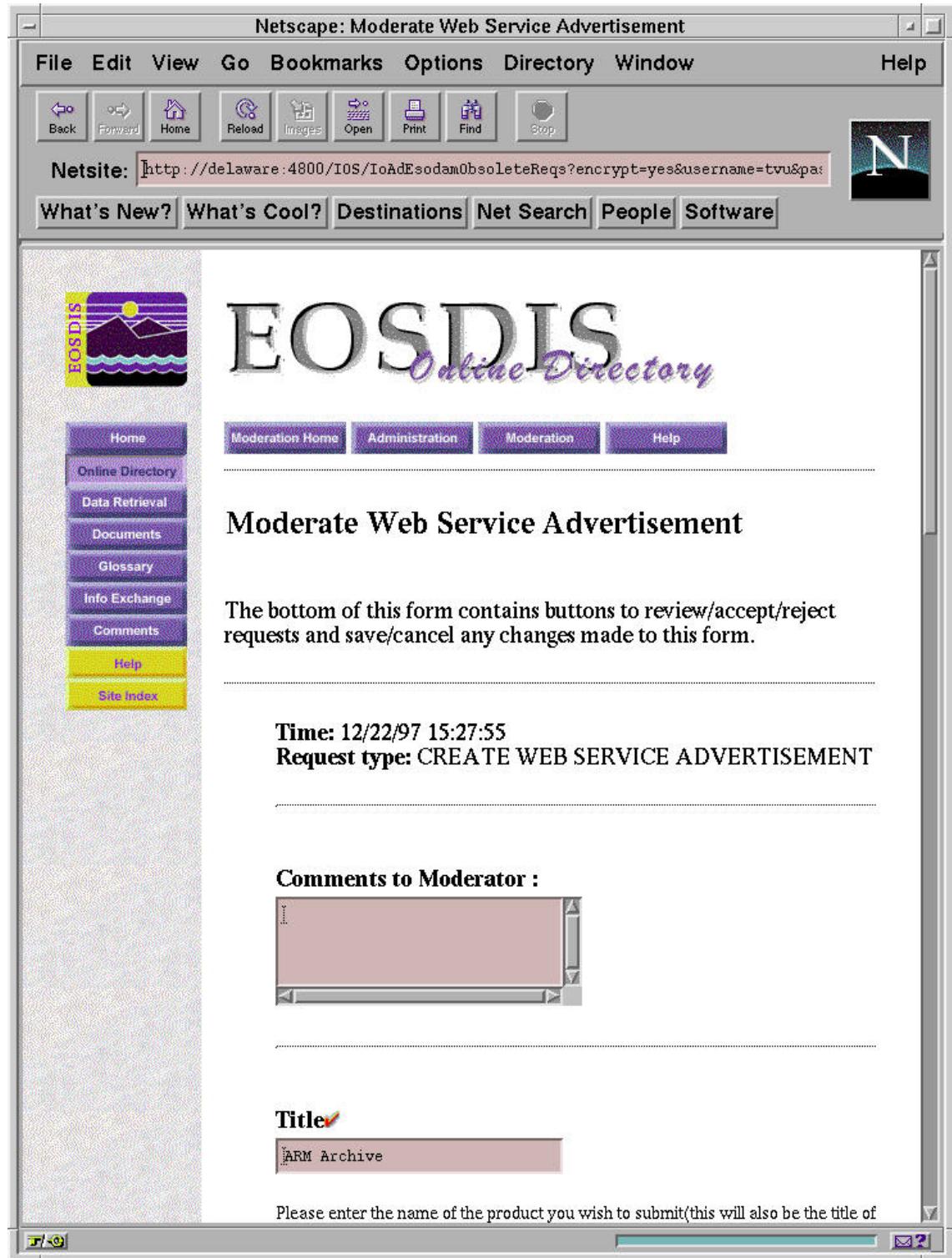


Figure 4.11.5-16. Moderate Web Service Page

Table 4.11.5-11. Moderate Web Service create/update Field Descriptions

Field Name	Data Type	Size	Entry	Description
Comments to moderator	varchar	255	optional	any pertinent information for the moderator
Title	varchar	100	required	name of the entry
Description	varchar	unlim	required	description of the entry
Provider	AdvIdType	numeric integer	required	unique number of the provider
Related Product(s)	AdvIdType	numeric integer	system generated	unique number(s) of related product(s)
Service URL	varchar	100	required	unique URL string to hyperlink to the originating service
Requester's Email Address	char	60	required	user's email address
Requester's Phone Number	char	30	optional	user's phone number
Comments to contributor	varchar	255	optional	any pertinent information for the contributor

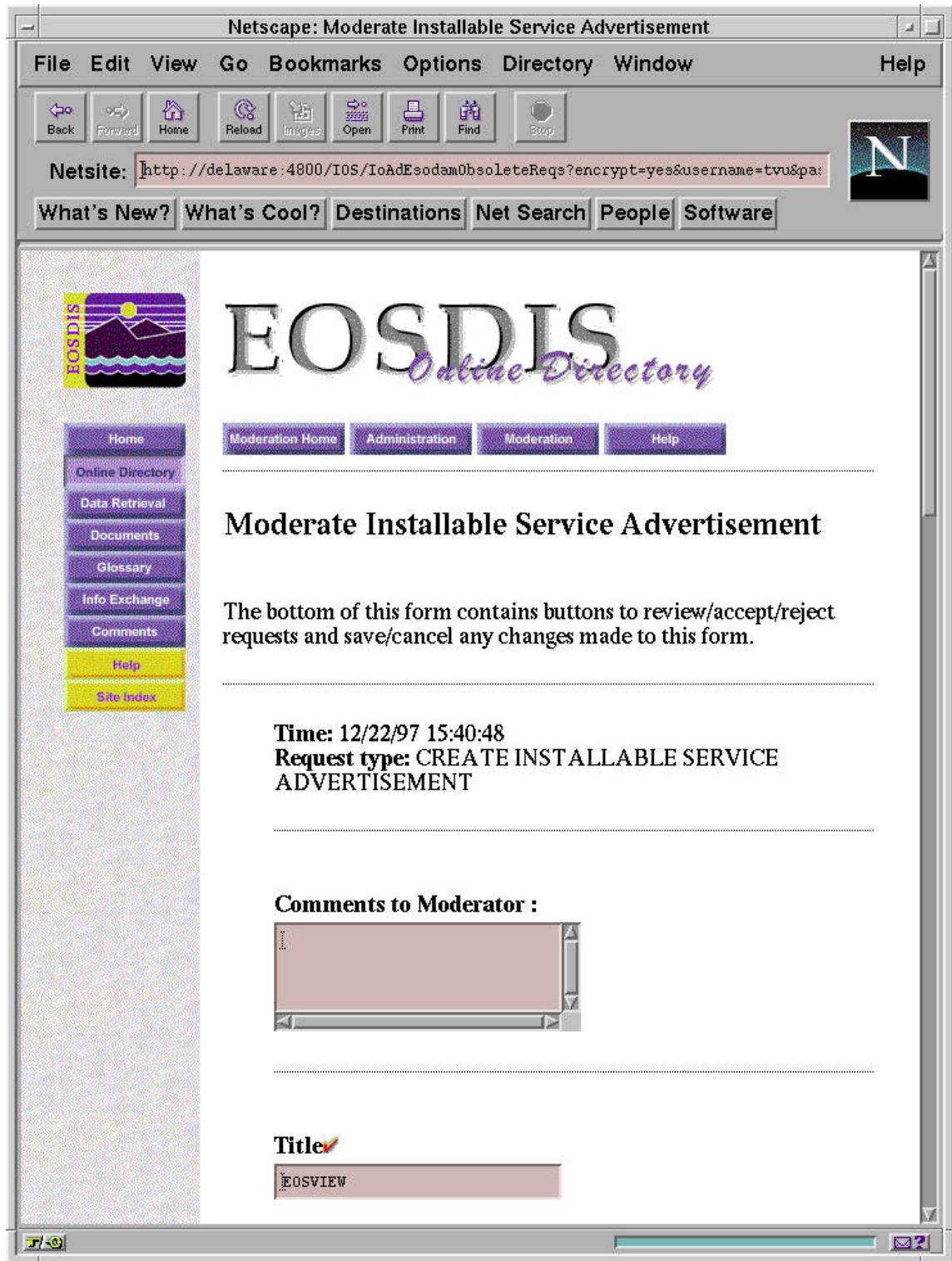


Figure 4.11.5-17. Moderate Installable Service Page

Table 4.11.5-12. Moderate Installable Service create/update Field Descriptions

Field Name	Data Type	Size	Entry	Description
Comments to moderator	varchar	255	optional	any pertinent information for the moderator
Title	varchar	100	required	name of the entry
Description	varchar	unlim	required	description of the entry
Provider	AdvIdType	numeric integer	required	unique number for the provider
Related Product(s)	AdvIdType	numeric integer	system generated	unique number(s) of related product(s)
FTP URL for packaged service	varchar	100	required	unique URL string to hyperlink to the ftp service site
Size of package when untarred	int	N/A	required	size of the package to be downloaded (in kilobytes)
Requester's Email Address	char	60	required	user's email address
Requester's Phone Number	char	30	optional	user's phone number
Comments to contributor	varchar	255	optional	any pertinent information for the contributor

4.11.5.3 Required Operating Environment

For information on the operating environment, tunable parameters and environment variables of ESOD see the ESOD section of Appendix A.

4.11.5.3.1 Interfaces and Data Types

TABLE 4.11.5-13 identifies the supporting products this tool depends upon in order to function properly.

Table 4.11.5-13. External Interface Protocols

Product Dependency	Protocols Used	Comments
Downloadable File	Annotated html/ftp, Anonymous ftp	
Web browser	http/SSL	

4.11.5.4 Data Bases

For a complete description of the database and tables ESOD uses, please see *Interoperability Subsystem Data Design and Database Schema Specifications for the ECS Project* (311-CD-104-001).

4.11.5.5 Special Constraints

None.

4.11.5.6 Outputs

The outputs from ESOD are the information displayed on the web pages described in Section 4.11.5.2, ESOD Administration and Moderation Page (Main Screen) and possible database updates to the database described in Section 4.11.5.4, Data Bases.

4.11.5.7 Event and Error Messages

Both event and error messages are listed in Appendix B.

4.11.5.8 Reports

None.